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FILE REFERENCE: 35800/209996
; CURRENT APPLICATION NUMBER: US/10/649,156
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: US/09/799,875
; PRIOR FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 7
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (383)...(1456)
US-10-649-156-7

Query Match      99.7%; Score 2051.8; DB 13; Length 2389;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2053; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTCTGAGCCCGCGGGCGCGCCGCGCCACGCGGAAACGACGGGGCGAGATCGGAGCCACC 60
DB 335 GCTCTGAGCCCGCGGGCGCGCCGCGCCACGCGGAAACGACGGGGCGAGATCGGAGCCACC 394
QY 61 CCTCTGGCTGTCTCTGCGGGTTCCTGTCCAGGAAGAACGGTGGAGTTGGATGACAAAC 120
DB 395 CCTCTGGCTGTCTCTGCGGGTTCCTGTCCAGGAAGAACGGTGGAGTTGGATGACAAAC 454
QY 121 TTAGATACCGAGCGTCCGTCAGAAACGAGCTCCAGTGGCCGCCACGACGACTGCC 180
DB 455 TTAGATACCGAGCGTCCGTCAGAAACGAGCTCCAGTGGCCGCCACGACGACTGCC 514
QY 181 CCTCTGCTGTTCCTCTGAGCCCACTACTGTCTCCAGATCGTGCAACTGCTGTGGCCACT 240
DB 515 CCTCTGCTGTTCCTCTGAGCCCACTACTGTCTCCAGATCGTGCAACTGCTGTGGCCACT 574
QY 241 GCTCTGCTGTTCGGCCCTATGTCTCTGAGCCCGAGGAGGGCGGGCGGCTTACCGG 300
DB 575 GCTCTGCTGTTCGGCCCTATGTCTCTGAGCCCGAGGAGGGCGGGCGGCTTACCGG 634
QY 301 GCTCTGCTGTTCCTCTGAGGCACTGAGTATACCTGCAAGGTGTACCCCGTCCAGGAAGCC 360
DB 635 GCTCTGCTGTTCCTCTGAGGCACTGAGTATACCTGCAAGGTGTACCCCGTCCAGGAAGCC 694
QY 361 CTGGCCGTCTGAGCCCTTACGCGCGGTGCCCCCGCAAGCATGTGGCTCGGCCCACT 420
DB 695 CTGGCCGTCTGAGGCGCTTACGCGCGGTGCCCCCGCAAGCATGTGGCTCGGCCCACT 754
QY 421 GAGGTCTGGTGTACCGACTCCTCTACGCTTTTTCACCTCGGACCCATGGGGACATG 480
DB 755 GAGGTCTGGTGTACCGACTCCTCTACGCTTTTTCACCTCGGACCCATGGGGACATG 814
QY 481 CACAGCTGGTGGGAAGCGCCACCGCTATCCCTGAGCCCTGAGGCTGCCGTCTTTCGCG 540
DB 815 CACAGCTGGTGGGAAGCGCCACCGCTATCCCTGAGCCCTGAGGCTGCCGTCTTTCGCG 874
QY 541 CAGATGGCCACCGCCCTGGCGACTGTACACGACGGTCTGGTCTGGGTGATCTCAAG 600
DB 875 CAGATGGCCACCGCCCTGGCGACTGTACACGACGGTCTGGTCTGGGTGATCTCAAG 934
QY 601 CTGTGTCTGTCTCTGCTGACCGTGGAGGAAGCAAGCTGGTGTGGAGAACCTGGAG 660
DB 935 CTGTGTCTGTCTCTGCTGACCGTGGAGGAAGCAAGCTGGTGTGGAGAACCTGGAG 994
QY 661 GACTCTGCGTGTGACTGGGCGAGATGATTCCTGTGGGAACAGACGCGGTGCCAGCC 720
DB 995 GACTCTGCGTGTGACTGGGCGAGATGATTCCTGTGGGAACAGACGCGGTGCCAGCC 1054
QY 721 TAGCTGGGACCTGAGATACTCAGTCAAGGCGCTCATCTCGGGCAAGGCGCCGATGTC 780
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1055 TAGTGGGACCTGAGATATCAGCTCAGCGGCTCATCTCGGGCAAGGACGCCGATGTC 1114
781 TGGAGCCTTGGGCGTGGCGCTCTTCAACATGCTGGCGGCACTACCCCTTCCAGGACTCG 840
1115 TGGAGCCTTGGGCGTGGCGCTCTTCAACATGCTGGCGGCACTACCCCTTCCAGGACTCG 1174
841 GAGCCTGTCTGCTCTTTCGGCAAGATCCGCGGGGCGCTACGCTTGGCTGCGAGCCCTC 900
1175 GAGCCTGTCTGCTCTTTCGGCAAGATCCGCGGGGCGCTACGCTTGGCTGCGAGCCCTC 1234
901 TCGGCCCCCTGCCCCGTGTCTGGTTGCTGCTCTTCTGTCGGGAGCCAGCTGAACGGCTC 960
1235 TCGGCCCCCTGCCCCGTGTCTGGTTGCTGCTCTTCTGTCGGGAGCCAGCTGAACGGCTC 1294
961 ACAGCCACAGGCAATCTCTCTGCAACCCCTGGCTGCGACAGGACCCGATGCCCTTAGCCCCA 1020
1295 ACAGCCACAGGCAATCTCTCTGCAACCCCTGGCTGCGACAGGACCCGATGCCCTTAGCCCCA 1354
1021 ACCCGATCCCATCTCTGGGAGGCTGCCAGGTGGTCCCTGATGCACTGGGGCTTGGACGAA 1080
1355 ACCCGATCCCATCTCTGGGAGGCTGCCAGGTGGTCCCTGATGCACTGGGGCTTGGACGAA 1414
1081 GCCAGGAAAGAGAGGAGACAGAGAGTGGTTCTGTATGGCTAGGACCAACCCCTACTACA 1140
1415 GCCAGGAAAGAGAGGAGACAGAGAGTGGTTCTGTATGGCTAGGACCAACCCCTACTACA 1474
1141 CGCTCAGCTGCCAACAGTGGATTGAGTTTGGGGGTAGCTCCAAAGCCTTCTCTGCGCTCTG 1200
1475 CGCTCAGCTGCCAACAGTGGATTGAGTTTGGGGGTAGCTCCAAAGCCTTCTCTGCGCTCTG 1534
1201 AACTGAGCCAAACCTTCAGTGCCTTCCAGAGGGAGAGAAAGGCAAGCCTGTGTGAGTG 1260
1535 AACTGAGCCAAACCTTCAGTGCCTTCCAGAGGGAGAGAAAGGCAAGCCTGTGTGAGTG 1594
1261 TGCTGTGTACATCTGCTTTGTTCACACATGACATGCTCTGCTTGGGTGCTTATCAG 1320
1595 TGCTGTGTACATCTGCTTTGTTCACACATGACATGCTCTGCTTGGGTGCTTATCAG 1654
1321 GTGCAAGCCCTGCTTCTCGGTGCTGGAGTACAGCAGTACAGCAAGAGAGACAATATTCCT 1380
1655 GTGCAAGCCCTGCTTCTCGGTGCTGGAGTACAGCAGTACAGCAAGAGAGACAATATTCCT 1714
1381 TGCTCAGAGATGCAAACTGGCATCTTGTAGCTGACAACTTTTCCATGACATAGG 1440
1715 TGCTCAGAGATGCAAACTGGCATCTTGTAGCTGACAACTTTTCCATGACATAGG 1774
1441 TCAGTGTACATCTGGGTACACTTTGTACCAGTGTGGCGCTCCACATGATCTGCTGCTCA 1500
1775 TCAGTGTACATCTGGGTACACTTTGTACCAGTGTGGCGCTCCACATGATCTGCTGCTCA 1834
1501 GGCACCTCTCTCCAAAGGACAAATCCCTTTTCAAAACAAACAGCTGCTTTGTATCTTGT 1560
1835 GGCACCTCTCTCCAAAGGACAAATCCCTTTTCAAAACAAACAGCTGCTTTGTATCTTGT 1894
1561 CCTTTTCAGAAAGGAGGATATCCCTGTGCGCAAGGCTCCAGGCTCTCCCTCGCAACT 1620
1895 CCTTTTCAGAAAGGAGGATATCCCTGTGCGCAAGGCTCCAGGCTCTCCCTCGCAACT 1954
1621 CAGGACCCAAAGCCAGCTCACTCTGGGAACTGTGTTTCCAGCATCTCTGCTCTTGTATT 1680
1955 CAGGACCCAAAGCCAGCTCACTCTGGGAACTGTGTTTCCAGCATCTCTGCTCTTGTATT 2014
1681 AAGAGATCTCTTCCAGGCTTAAGCCTGGGATTTGGGCGAGAGATGAAGATCCAAACTA 1740
2015 AAGAGATCTCTTCCAGGCTTAAGCCTGGGATTTGGGCGAGAGATGAAGATCCAAACTA 2074
1741 TGAGGCTTAGTCTTGTCTTAAGTCTGGAATCTGGAATCAGGCTCCAGGCTTGTCAACC 1800
2075 TGAGGCTTAGTCTTGTCTTAAGTCTGGAATCTGGAATCAGGCTCCAGGCTTGTCAACC 2134
1801 ATGGGGCTTCTGACCTCAGCACCAAGGTTGAGGACAGGATTAAGGAGGCTTGTCTCTGT 1860
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Db      2135 ATGGGGCTTCTGACCTGAGCACCAAGTTGAGGAGCAGATTAGGAGGGTCTGTCTCT 2194
Qy      1861 GGCACCTGAAAGTCCAGTGGGACTCTTCTGGGAGACACTTGGGGTCCACAATCCGAG 1920
Db      2195 GGCACCTGAAAGTCCAGTGGGACTCTTCTGGGAGACACTTGGGGTCCACAATCCGAG 2254
Qy      1921 GTCCATCTCTAGTCTTGGATACCATGAGTATGATGTTTACCTGTGCTTAATAAGGA 1980
Db      2255 GTCCATCTCTAGTCTTGGATACCATGAGTATGATGTTTACCTGTGCTTAATAAGGA 2314
Qy      1981 GAATTATGAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2040
Db      2315 GAATTATGAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2374
Qy      2041 AAAAAAAAAAAAAA 2055
Db      2375 AAAAAAAAAAAAAA 2389

RESULT 3
US-10-098-841-271
; Sequence 271, Application US/10098841
; Publication No. US20020197679A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Xu, Chongjun
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhao, Qing A.
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20020197679A1el Nucleic Acids and
; FILE REFERENCE: 784CIP2
; CURRENT APPLICATION NUMBER: US/10/098, 841
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 09/598,042
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: Pt FL_genes Version 1.0
; SEQ ID NO 271
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (139)..(1215)
US-10-098-841-271

Query Match      97.0%; Score 1997.2; DB 14; Length 2092;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1999; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 GCTCTGAGCCCGCGCGCCCGCCACCGGGAACGACGGGGGAGATGCGGCCACC 60
Db      91 GCTCTGAGCCCGCGCGCCCGCCACCGGGAACGACGGGGGAGATGCGGCCACC 150
Qy      61 CCTCTGGCTGCTCTGGGGTCCCTGTCCAGGAAGACGGTTGGAGTTGGATGACAAAC 120
Db      151 CCTCTGGCTGCTCTGGGGTCCCTGTCCAGGAAGACGGTTGGAGTTGGATGACAAAC 210

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Qy      121 TTATATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGGCCCCAGCCAGACTGCC 180
Db      211 TTATATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGGCCCCAGCCAGACTGCC 270
Qy      181 CCCTGCGCTGTGGCCCTGAGCCACCTACTGCTCCAGATCGTCAACTGTGTGGCCACT 240
Db      271 CCCTGCGCTGTGGCCCTGAGCCACCTACTGCTCCAGATCGTCAACTGTGTGGCCACT 330
Qy      241 GCCTCCCGTGTGGCCCTATGTCCTCTGAGGCCGAGAGGGCGGGCGGCGCTACCGG 300
Db      331 GCCTCCCGTGTGGCCCTATGTCCTCTGAGGCCGAGAGGGCGGGCGGCGCTACCGG 390
Qy      301 GCCCTGACACTGCCCTACAGGCACCTGAGTATACCTGCAAGGTGTACCCCGTCCAGGAAGCC 360
Db      391 GCCCTGACACTGCCCTACAGGCACCTGAGTATACCTGCAAGGTGTACCCCGTCCAGGAAGCC 450
Qy      361 CTGGCCGTGTGGAGCCCTACGCGCGCTGCCCGCCGACCAAGCATGTGGTTCGGCCCACT 420
Db      451 CTGGCCGTGTGGAGCCCTATGCGCGCTGCCCGCCGACCAAGCATGTGGTTCGGCCCACT 510
Qy      421 GAGTCTCTGCTGCTACCGAGCTCCTCTACGCGCTTTTCACTCGGACCATGGGACATG 480
Db      511 GAGTCTCTGCTGCTACCGAGCTCCTCTACGCGCTTTTCACTCGGACCATGGGACATG 570
Qy      481 CACAGCCTGTGGAGCCCGCCACCGCTATCCCTGAGCCTGAGGCTGCCGTCTTCCCGC 540
Db      571 CACAGCCTGTGGAGCCCGCCACCGCTATCCCTGAGCCTGAGGCTGCCGTCTTCCCGC 630
Qy      541 CAGATGCCACCGCCCTGGCGGCACTGTCAACAGACAGGCTGTGCTCTGGTGTATCTCAAG 600
Db      631 CAGATGCCACCGCCCTGGCGGCACTGTCAACAGACAGGCTGTGCTCTGGTGTATCTCAAG 690
Qy      601 CTGTGTCGCTTTGCTTTCGCTGACCGGTGAGAGAAAGTGTGTGTGGAGAACTCTGGAG 660
Db      691 CTGTGTCGCTTTGCTTTCGCTGACCGGTGAGAGAAAGTGTGTGTGGAGAACTCTGGAG 750
Qy      661 GACTCTGCGTGTGCTGCTGGCCAGATGATTCCTGTGGGCAAGCAAGCGGTGCCAGCC 720
Db      751 GACTCTGCGTGTGCTGCTGGCCAGATGATTCCTGTGGGCAAGCAAGCGGTGCCAGCC 810
Qy      721 TAGTGGGACCTGAGATACCTCAGTCAAGGCTCTATCTCGGCAAGGAGGAGCCGATGTC 780
Db      811 TAGTGGGACCTGAGATACCTCAGTCAAGGCTCTATCTCGGCAAGGAGGAGCCGATGTC 870
Qy      781 TGGAGCCTGTGGCGTGGCGCTTTTCAACATGCTGGCGGCACTACCCCTTCCAGGACTCG 840
Db      871 TGGAGCCTGTGGCGTGGCGCTTTTCAACATGCTGGCGGCACTACCCCTTCCAGGACTCG 930
Qy      841 GAGCCTGTGCTGCTTTCGGCAAGATCCGCGCGGGGCTTACGCTTGGCTGGCTGAGGCCCTC 900
Db      931 GAGCCTGTGCTGCTTTCGGCAAGATCCGCGCGGGGCTTACGCTTGGCTGGCTGAGGCCCTC 990
Qy      901 TCGGCCCCCTGCGCGCTGTCTGGTTCGCTGCTCTTCTGTCGGAGGACAGTGAACGGCTC 960
Db      991 TCGGCCCCCTGCGCGCTGTCTGGTTCGCTGCTCTTCTGTCGGAGGACAGTGAACGGCTC 1050
Qy      961 ACAGCCACAGGCATCTCTGCAACCCCTGCTGCAAGGACAGGACCCGATGCCCTTAGCCCCA 1020
Db      1051 ACAGCCACAGGCATCTCTGCAACCCCTGCTGCAAGGACAGGACCCGATGCCCTTAGCCCCA 1110
Qy      1021 ACCCGATCCCATCTCTGGGAGGCTGCCAGGTGCTCCCTGATGAGTGGGGCTGGAGCGAA 1080
Db      1111 ACCCGATCCCATCTCTGGGAGGCTGCCAGGTGCTCCCTGATGAGTGGGGCTGGAGCGAA 1170
Qy      1081 GCCAGGAAAGAGGAGGAGACAGAGAGTGGTTCCTGTATGGCTAGGACCAACCCCTACTACA 1140
Db      1171 GCCAGGAAAGAGGAGGAGACAGAGAGTGGTTCCTGTATGGCTAGGACCAACCCCTACTACA 1230
Qy      1141 CGCTCAGCTCCCAACAGTGGATTGAGTTGGGGGTAGTCCCAAGCCTTCTCTGCTCTG 1200
Db      1231 CGCTCAGCTCCCAACAGTGGATTGAGTTGGGGGTAGTCCCAAGCCTTCTCTGCTCTG 1290

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49 ATGCGAGCCACCCCTCTGGTGTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTTGGAG 108
Db 1 ATGCGAGCCACCCCTCTGGTGTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTTGGAG 60
Qy 109 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 168
Db 61 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 120
Qy 169 CCCAGACTGCCCCCTCTGCTGTTGCCCTGAGCCCACTTACTGCTCCAGATCGTCAACT 228
Db 121 CCCAGACTGCCCCCTCTGCTGTTGCCCTGAGCCCACTTACTGCTCCAGATCGTCAACT 180
Qy 229 GCTGTGCGCACTGCTCCCTCTGTTGGCCCTATGTTCTCTGAGGCCCGAGGAGCGCGG 288
Db 181 GCTGTGCGCACTGCTCCCTCTGTTGGCCCTATGTTCTCTGAGGCCCGAGGAGCGCGG 240
Qy 289 CGGSCCTACCGGCCCTGCACTCCCTACAGCACTGAGTATACCTGCAAGTGTACCCC 348
Db 241 CGGSCCTACCGGCCCTGCACTCCCTACAGCACTGAGTATACCTGCAAGTGTACCCC 300
Qy 349 GTCAGGAAGCCCTGCGCTGCTGGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 408
Db 301 GTCAGGAAGCCCTGCGCTGCTGGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 360
Qy 409 GCTCGGCCCACTGAGTCTGCTGTTGAGTACCGAGCTCTCTACGCTTTTCTACTGGACC 468
Db 361 GCTCGGCCCACTGAGTCTGCTGTTGAGTACCGAGCTCTCTACGCTTTTCTACTGGACC 420
Qy 469 CATGGGACATGACAGCCCTGCTGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 528
Db 421 CATGGGACATGACAGCCCTGCTGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 480
Qy 529 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGCGCACTGTCCACGACCGGTCTGGTCTG 588
Db 481 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGCGCACTGTCCACGACCGGTCTGGTCTG 540
Qy 589 CGTGATCTCAAGCTGTGCTGTTGCTTTCGTTGCTGAGCCCTGAGGAGAGTGTGCTG 648
Db 541 CGTGATCTCAAGCTGTGCTGTTGCTTTCGTTGCTGAGCCCTGAGGAGAGTGTGCTG 600
Qy 649 GAGAACCTGGAGACTCTCGCTGCTGCTGAGCCAGATGATTCCTGTGGACAGAC 708
Db 601 GAGAACCTGGAGACTCTCGCTGCTGCTGAGCCAGATGATTCCTGTGGACAGAC 660
Qy 709 GGTGCCCCCACTGAGTCTGAGTACTGAGTACTGAGTACTGAGTACTGAGTACTGAGT 768
Db 661 GGTGCCCCCACTGAGTCTGAGTACTGAGTACTGAGTACTGAGTACTGAGTACTGAGT 720
Qy 769 GCAGCCGATGTCTGAGCCCTGCGGCTGCTTCCACCATGCTGCGCGGCCACTACCCC 828
Db 721 GCAGCCGATGTCTGAGCCCTGCGGCTGCTTCCACCATGCTGCGCGGCCACTACCCC 780
Qy 829 TTCAGGACTCGAGGCTGCTGCTGCTTTCGCAAGATCCCGCGGCGGCTTACGCTTG 888
Db 781 TTCAGGACTCGAGGCTGCTGCTGCTTTCGCAAGATCCCGCGGCGGCTTACGCTTG 840
Qy 889 CTGCAAGGCTCTCGGCCCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 948
Db 841 CTGCAAGGCTCTCGGCCCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Qy 949 GGTGAAACGCTCACAGCCACAGGCTCTCTGCAAGATCCCTGCTGCAAGACCCGATG 1008
Db 901 GGTGAAACGCTCACAGCCACAGGCTCTCTGCAAGATCCCTGCTGCAAGACCCGATG 960
Qy 1009 CCGTTAGCCCAACCGATCCATCTCTGAGGAGCTGCGGAGGCTGCGGAGGCTGCGGAG 1068
Db 961 CCGTTAGCTTCAACCGATCCATCTCTGAGGAGCTGCGGAGGCTGCGGAGGCTGCGGAG 1020
Qy 1069 GGGCTGGAGAGCCAGGAGAGGAGGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGG 1122
Db 1021 GGGCTGGAGAGCCAGGAGAGGAGGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGG 1074

RESULT 8
US-10-649-156-9
; Sequence 9, Application US/10649156
; Publication No. US20040038346A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. US20040038346A1 Human Protein Kinases and Uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 35800/209996
; CURRENT APPLICATION NUMBER: US/10/649,156
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: US/09/799,875
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-649-156-9

Query Match 52.0%; Score 1070.8; DB 13; Length 1074;
Best Local Similarity 99.8%; Pred. No. 2.4e-226;
Matches 1072; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 49 ATGCGAGCCACCCCTCTGGTGTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTTGGAG 108
Db 1 ATGCGAGCCACCCCTCTGGTGTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTTGGAG 60
Qy 109 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 168
Db 61 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 120
Qy 169 CCCAGACTGCCCCCTCTGCTGTTGCCCTGAGCCCACTTACTGCTCCAGATCGTCAACT 228
Db 121 CCCAGACTGCCCCCTCTGCTGTTGCCCTGAGCCCACTTACTGCTCCAGATCGTCAACT 180
Qy 229 GCTGTGCGCACTGCTCCCTCTGTTGGCCCTATGTTCTCTGAGGCCCGAGGAGCGCGG 288
Db 181 GCTGTGCGCACTGCTCCCTCTGTTGGCCCTATGTTCTCTGAGGCCCGAGGAGCGCGG 240
Qy 289 CGGSCCTACCGGCCCTGCACTCCCTACAGCACTGAGTATACCTGCAAGTGTACCCC 348
Db 241 CGGSCCTACCGGCCCTGCACTCCCTACAGCACTGAGTATACCTGCAAGTGTACCCC 300
Qy 349 GTCAGGAAGCCCTGCGCTGCTGGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 408
Db 301 GTCAGGAAGCCCTGCGCTGCTGGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 360
Qy 409 GCTCGGCCCACTGAGTCTGCTGTTGAGTACCGAGCTCTCTACGCTTTTCTACTGGACC 468
Db 361 GCTCGGCCCACTGAGTCTGCTGTTGAGTACCGAGCTCTCTACGCTTTTCTACTGGACC 420
Qy 469 CATGGGACATGACAGCCCTGCTGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 528
Db 421 CATGGGACATGACAGCCCTGCTGAGCCCTACCGCGGCTGCCCCCGCACAGCATGTG 480
Qy 529 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGCGCACTGTCCACGACCGGTCTGGTCTG 588
Db 481 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGCGCACTGTCCACGACCGGTCTGGTCTG 540
Qy 589 CGTGATCTCAAGCTGTGCTGTTGCTTTCGTTGCTGAGCCCTGAGGAGAGTGTGCTG 648
Db 541 CGTGATCTCAAGCTGTGCTGTTGCTTTCGTTGCTGAGCCCTGAGGAGAGTGTGCTG 600
Qy 649 GAGAACCTGGAGACTCTCGCTGCTGCTGAGCCAGATGATTCCTGTGGAGAGAC 708


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i. ORGANISM: Homo sapiens
US-09-919-580-580

Query Match      25.9%; Score 533; DB 9; Length 541;
Best Local Similarity 99.1%; Pred. No. 1e-107;
Matches 536; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1069 GGGCTGACGAAGCCAGCGAAGAGGAGGAGGAGGAGACAGAGAAGTGGTTCTGTATGGCTAGGAC 1128
Db 1 GGCGCGCTGACGCCAGCGGAGAGGAGGAGGAGACAGAGAGTGGTTCTGTATGGCTAGGAC 60

QY 1129 CACCTTACTACACGCTCAGCTGCGCAACAGTGGATGTAGTTTGGGGGTAGCTCCAAGCCTT 1198
Db 61 CACCTTACTACACGCTCAGCTGCGCAACAGTGGATGTAGTTTGGGGGTAGCTCCAAGCCTT 120

QY 1189 CTCCTGCTCTGAACCTGAGCCAAACCTTCACTGCTCTCCAGAAGGGAGAAAGGCAGAGAAGC 1248
Db 121 CTCCTGCTCTGAACCTGAGCCAAACCTTCACTGCTCTCCAGAAGGGAGAAAGGCAGAGAAGC 180

QY 1249 CTGTGTGGAGTGTGCTGTGTATACATCTGCTTTGTTTCCACACATGCAAGTTCCTGCTTG 1308
Db 181 CTGTGTGGAGTGTGCTGTGTATACATCTGCTTTGTTTCCACACATGCAAGTTCCTGCTTG 240

QY 1309 GGTGCTTATCAGGTGCCAAGCCCTGTCTCGGTCTGGGAGTACAGCAGTGAGCAAAAGGA 1368
Db 241 GGTGCTTATCAGGTGCCAAGCCCTGTCTCGGTCTGGGAGTACAGCAGTGAGCAAAAGGA 300

QY 1369 GACAATATTCCTGCTCACAGAGATGACAACTGGCATCTTGGCTGACATGACACACATTTTC 1428
Db 301 GACAATATTCCTGCTCACAGAGATGACAACTGGCATCTTGGCTGACATGACACACATTTTC 360

QY 1429 CATGACCATAGGTCACCTGTCTACACTGGGTACACTTTGTACCAGTGTGCGGCTCCACTGA 1488
Db 361 CATGACCATAGGTCACCTGTCTACACTGGGTACACTTTGTACCAGTGTGCGGCTCCACTGA 420

QY 1489 TCGTGTGCTCAGGCACCTGTGCCAAGGACATCCCTTTTACAAACAAACACAGCTGCCT 1548
Db 421 TCGTGTGCTCAGGCACCTGTGCCAAGGACATCCCTTTTACAAACAAACACAGCTGCCT 480

QY 1549 TTGTATCTTGTACCTTTTCAGAAAGGGAGGTATCCCTGTGCCAAAGGCTCCAGGCGCTC 1608
Db 481 TTGTATCTTGTACCTTTTCAGAAAGGGAGGTATCCCTGTGCCAAAGGCTCCAGGCGCTC 540

QY 1609 T 1609
Db 541 T 541

RESULT 11
US-09-867-701-10282/c
; Sequence 10282, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10282
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-10282

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Query Match 20.7%; Score 436; DB 9; Length 426;
Best Local Similarity 100.0%; Pred. No. 4e-84;
Matches 426; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1567	CAGAGAAAGGAGGTATCCCTGTGTCCAAAAGCTCCAGGCTCTCCCTGCAACTCAGGAC	1626
Db	426	CAGAGAAAGGAGGAGGTATCCCTGTGTGCCAAAGGCTCCAGGCTCTCCCTGCAACTCAGGAC	367
QY	1627	CCAAAGCCACGCTCACTCTGGGAACTGTGTTCCAGCATCTCTGTCTCTTGTATTAAAGAGA	1686
Db	366	CCAAAGCCACGCTCACTCTGGGAACTGTGTTCCAGCATCTCTGTCTCTTGTATTAAAGAGA	307
QY	1687	TTCTCTTCCAGGCTTAAGCTCGGATTTTGGGCCAGAGATAAGAATCCAACTATGAGGC	1746
Db	306	TTCTCTTCCAGGCTTAAGCTCGGATTTTGGGCCAGAGATAAGAATCCAACTATGAGGC	247
QY	1747	TAGTTCTTGTCTAACTCAAGACTGTTCTGGAATAGAGGTCAGGCTCTCAACCATGGG	1806
Db	246	TAGTTCTTGTCTAACTCAAGACTGTTCTGGAATAGAGGTCAGGCTCTCAACCATGGG	187
QY	1807	CTTCTGACCTGAGCACCAGGTTGAGGACAGGATTAGGCAGGCTCTGTCTCTGTGGCCAC	1866
Db	186	CTTCTGACCTGAGCACCAGGTTGAGGACAGGATTAGGCAGGCTCTGTCTCTGTGGCCAC	127
QY	1867	CTGAAAGTCCAGGTGGGACTCTTCTGGGGACACTTGGGGTCCAAATCCCAAGTCCAT	1926
Db	126	CTGAAAGTCCAGGTGGGACTCTTCTGGGGACACTTGGGGTCCAAATCCCAAGTCCAT	67
QY	1927	ACTCTAGTCTTGGATACCATGATGATGATGTTTACCTGTGCTTAATAAGGAGATTA	1986
Db	66	ACTCTAGTCTTGGATACCATGATGATGATGTTTACCTGTGCTTAATAAGGAGATTA	7
QY	1987	TGAAT 192	
Db	6	TGAAT 1	

RESULT 12

US-09-803-719-519

; Sequence 519, Application US/09803719

; Publication No. US20030044783A1

; GENERAL INFORMATION:

; APPLICANT: Williams, Lewis T.

; APPLICANT: Escobedo, Jaime

; APPLICANT: Innis, Michael A.

; APPLICANT: Garcia, Pablo Dominiguez

; APPLICANT: Sudduth-Klinger, Julie

; APPLICANT: Reinhard, Christoph

; APPLICANT: Giese, Klaus

; APPLICANT: Randazzo, Filippo

; APPLICANT: Kennedy, Giulia C.

; APPLICANT: Pot, David

; APPLICANT: Kassam, Altaf

; APPLICANT: Lamson, George

; APPLICANT: Drmanac, Radoje

; APPLICANT: Crkvenjakov, Radomir

; APPLICANT: Dickson, Mark

; APPLICANT: Drmanac, Snezana

; APPLICANT: Labat, Ivan

; APPLICANT: Leshkowitz, Dena

; APPLICANT: Kita, David

; APPLICANT: Garcia, Veronica

; APPLICANT: Jones, Lee William

; APPLICANT: Stache-Crain, Birgit

; TITLE OF INVENTION: Human Genes and Gene Products

; FILE REFERENCE: 1624.002

; CURRENT APPLICATION NUMBER: US/09/803,719

; CURRENT FILING DATE: 2001-03-09

; PRIOR APPLICATION NUMBER: 60/188,609

; PRIOR FILING DATE: 2000-03-09

; NUMBER OF SEQ ID NOS: 2196

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 519

; LENGTH: 396

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-803-719-519

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; SEQ ID NO 519
;
; LENGTH: 396
;
; TYPE: DNA
;
; ORGANISM: Homo sapiens
US-09-803-719-519

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RESULT 15

US-10-221-278-116
; Sequence 116, Application US/10221278
; Publication No. US20040034208A1
; GENERAL INFORMATION:
; APPLICANT: Hysseq, Inc
; TITLE OF INVENTION: No. US20040034208A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-045
; CURRENT APPLICATION NUMBER: US/10/221.278
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 09/693,267
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 09/665,363
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: 09/616,847
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 09/596,193
; PRIOR FILING DATE: 2000-06-17
; PRIOR APPLICATION NUMBER: 09/574,454
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: 09/519,705
; PRIOR FILING DATE: 2000-03-07
; NUMBER OF SEQ ID NOS: 752
; SEQ ID NO 116
; LENGTH: 1909
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (135)..(941)
US-10-221-278-116

Query Match 12.8%; Score 263.2; DB 13; Length 1909;
Best Local Similarity 60.7%; Pred. No. 7e-48;
Matches 447; Conservative 0; Mismatches 288; Indels 1; Gaps 1;
QY 258 CTATGTCCTCTCTGGAGCCCGAGAGGGCGGGGGGCTACCGGGCCCTGCACTGCGCCTAC 317
Db 103 CTACCTGCTGCTGCCCTAGCGAGCGGAGCATGTCTCCGGGCGCTGTGATCCACAC 162
QY 318 AGGCACTGAGTATAC-CTGCAAGGTGTACCGTGTAGGAAGCCCTGGCCGTGTGGAGC 376
Db 163 TGGGACGGCGAGTGGCGCTCAAGGTGTTTCCATTAAACACTACCAGGACAAAATCAGGC 222
QY 377 CCTACGGCGGGTGGCCCGCCCAAGCATGTGGCTCGGGCCCACTGAGGTCTCTGGCTGTA 436
Db 223 CTTACATCCAGCTGCCATCGCACAGCAATTACTGGCATTTGTGAAGTATCTTGGGG 282
QY 437 CCCAGTCTCTACGCTTTTTCATCTGGACCCATGGGACATGCACAGCCCTGGTGGAA 496
Db 283 AAACCAAGGCTATGTCTTTTGAGAGGACTTTGGGACATGCACCTCTATGTGGAA 342
QY 497 GCGGCCACCGTATCCCTGAGCTGAGGCTGCGGTGCTTCCGCGAGATGGCCCGCC 556
Db 343 GCGGAGAGGCTGGGGAGAGGAGCGCCCGGCTCTTCAAGCAGATGTCTCCGCG 402
QY 557 TGGCGCACTGTACACAGACGCTGTGGTCTCTGCTGATCTCAAGCTGTGTGCTTTGTCT 616
Db 403 TGGCCCACTGCCACAGCTCAGCCATCGTGTGGGACCTGAAGCTTAGGAAGTTCGTCT 462
QY 617 TCGCTGACCGTGAGGAGAGAGCTGGTGTGGAGAACCTGGAGACTCTGCTGTGTA 676
Db 463 TCTCCACGGAGAGAGAACCCAGCTTAGACTAGAAAGTCTAGAAAGACACACATAATGA 522
QY 677 CTGGCCAGATGATTCCTGTGGGACAGCGCTGCCAGCTTACGTGGGACCTGAGA 736
Db 523 AGGGGAAGATGATGCTTTGTGAGACAAACATGGCTGCCAGCTTACGTGAGCCCTGAGA 582
QY 737 TACTAGCTCAGGGGCTCATACTCGGCAAGCAGCCGATGTCTGGAGCCTGGGCGTGG 796
Db 583 TCCTCAACACCACTGGGACCTACTCCGGAAGGCTGCGAGCGTTTGGAGCCTGGGGTGA 642

QY 797 CGCTCTTCCACCATGCTGGCCGCGCCACTACCCCTTCCAGGACTCGAGGCTGTCTGTCT 856
Db 643 TGCTCTACACCTTCTGCTTGGAGATACCCCTTCCATGACTCAGACCCAGTGCCCTTT 702
QY 857 TCGGCAAGATCGCGCGCGGSCCTACGCTTGGCTTGCCTGCGAGGCTCTCGGCCCTGCCCCCT 916
Db 703 TCTCCAAAATTGCGGCGTGGACAGTTCGTGATTCCTGAGCACATTTCCCCCAAAGCCAGGT 762
QY 917 GTCTGTTTCGCTGCTCTCTCGTGGGAGCCAGCTGAACGGCTCACAGCCACAGGCATCC 976
Db 763 GCCTCATTCGCGAGCTCTTGGAGCGGAGCCCTCGGAGAGACTCACTGCCCCCGAGATCC 822
QY 977 TCCTGCACCCCTGGCT 992
Db 823 TACTGCACCCCTGGTT 838

Search completed: September 15, 2004, 05:49:20
Job time : 1711 secs

Result No.	Query	Score	Match	Length	DB	ID	Description
1	C	2051.8	99.7	2389	4	US-09-799-875-7	Sequence 7, Appli
2		1070.8	52.0	1074	4	US-09-799-875-9	Sequence 9, Appli
3		1004.4	48.8	1085	4	US-09-509-902A-3	Sequence 3, Appli
4	C	505.2	24.5	2559	4	US-09-220-132-135	Sequence 135, App
5		505.2	24.5	2562	1	US-08-146-431-4	Sequence 4, Appli
6		85	4.1	1302	1	US-08-913-050A-2	Sequence 2, Appli
7		85	4.1	1302	4	US-09-016-434-1146	Sequence 1146, Ap
8		84.6	4.1	1545	4	US-09-553-033-1	Sequence 1, Appli
9		82.2	4.0	147	4	US-09-621-976-8551	Sequence 8551, Ap
10		81.6	4.0	146	4	US-09-621-976-8550	Sequence 8550, Ap
11		81.6	4.0	1466	2	US-08-749-902-2	Sequence 2, Appli
12		80.8	3.9	1985	4	US-09-907-794A-212	Sequence 212, App
13		80.8	3.9	1985	4	US-09-905-135A-212	Sequence 212, App
14		80.8	3.9	1985	4	US-09-902-775A-212	Sequence 212, App
15		80.4	3.9	1133	4	US-09-916-204-1	Sequence 1, Appli
16		80	3.9	1925	4	US-09-148-545-138	Sequence 138, App
17		79.8	3.9	1048	4	US-09-489-847-38	Sequence 38, Appl
18		79.6	3.9	1066	1	US-08-157-101A-4	Sequence 4, Appli
19		79.6	3.9	1927	4	US-09-336-536-66	Sequence 66, Appl
20		79.2	3.8	1091	4	US-09-328-965-1	Sequence 1, Appli
21		79.2	3.8	1882	3	US-09-370-253-1	Sequence 1, Appli
22		78.8	3.8	1024	4	US-09-328-475C-50	Sequence 50, Appl
23		78.8	3.8	2674	4	US-09-817-180-1	Sequence 1, Appli
24		78.8	3.8	2674	4	US-10-003-295-1	Sequence 1, Appli
25		78.4	3.8	1662	4	US-09-668-097A-13	Sequence 13, Appl
26		78.4	3.8	2246	4	US-09-363-708-3	Sequence 3, Appli
27		78.4	3.8	2246	4	US-09-083-587-3	Sequence 3, Appli

Db 575 GCCTCCGCTCTTGGGCGCTATGTCCTCTGAGCCCGAGGCGGGCGGCGCTACCAAG 634
Qy 301 GCCTTGACCTCCCTACAGCACTGAGTATACCTGCAAGGTGTACCCCTCCAGGAAGCC 360
Db 635 GCCTTGACCTCCCTACAGCACTGAGTATACCTGCAAGGTGTACCCCTCCAGGAAGCC 694
Qy 361 CTGCGCTGCTGAGCGCTACGCGCGCTGCGCGCGCACAGCATGTGCTCGGCCACT 420
Db 695 CTGCGCTGCTGAGCGCTACGCGCGCTGCGCGCGCACAGCATGTGCTCGGCCACT 754
Qy 421 GAGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
Db 755 GAGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 814
Qy 481 CACAGCTGCTGGAAGCGCCACCGCTATCCCTGAGCCCTGAGCGCTGCGCTCTCCGC 540
Db 815 CACAGCTGCTGGAAGCGCCACCGCTATCCCTGAGCCCTGAGCGCTGCGCTCTCCGC 874
Qy 541 CAGATGCGCCACCGCTGCGCGCACTGTACACGACGCTGCTGCTGCTGCTGCTGCT 600
Db 875 CAGATGCGCCACCGCTGCGCGCACTGTACACGACGCTGCTGCTGCTGCTGCTGCT 934
Qy 601 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
Db 935 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 994
Qy 661 GACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
Db 995 GACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1054
Qy 721 TAGCTGGGACCTGAGTATCTAGCTCAACGCGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
Db 1055 TAGCTGGGACCTGAGTATCTAGCTCAACGCGCTGCTGCTGCTGCTGCTGCTGCTGCT 1114
Qy 781 TGGAGCTGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 1115 TGGAGCTGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1174
Qy 841 GAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Db 1175 GAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1234
Qy 901 TCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Db 1235 TCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1294
Qy 961 ACAGCCACAGGCACTCTCTGCAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Db 1295 ACAGCCACAGGCACTCTCTGCAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1354
Qy 1021 ACCGATCCCATCTCTGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Db 1355 ACCGATCCCATCTCTGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1414
Qy 1081 GCCAGGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1140
Db 1415 GCCAGGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1474
Qy 1141 CGCTAGCTGCGCAACAGTGGATGAGTTGGGGGTAGCTCCAAAGCTTCTCTGCTGCTGCTGCT 1200
Db 1475 CGCTAGCTGCGCAACAGTGGATGAGTTGGGGGTAGCTCCAAAGCTTCTCTGCTGCTGCTGCT 1534
Qy 1201 AACTGAGCAAAACCTTTCAGTGCTTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1260
Db 1535 AACTGAGCAAAACCTTTCAGTGCTTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1594
Qy 1261 TCGTGTGTAACATCTGCTTGTTCACACACATGCAAGTCTCTGCTGCTGCTGCTGCTGCTGCT 1320
Db 1595 TCGTGTGTAACATCTGCTTGTTCACACACATGCAAGTCTCTGCTGCTGCTGCTGCTGCTGCT 1654
Qy 1321 GTGCCAAGCCCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
Db 1655 GTGCCAAGCCCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1714

Qy 1381 TGCTCAGAGATGACAAACTGGCATCTTGGATCTGAGCTGACACACATTTTCCATGACCATAGG 1440
Db 1715 TGCTCAGAGATGACAAACTGGCATCTTGGATCTGAGCTGACACACATTTTCCATGACCATAGG 1774
Qy 1441 TCACCTGTCTACACTGGGTACACATTTGTACAGTGTGGGCTCCCACTGATGCTGGTCTCA 1500
Db 1775 TCACCTGTCTACACTGGGTACACATTTGTACAGTGTGGGCTCCCACTGATGCTGGTCTCA 1834
Qy 1501 GGCACCTCTGTCCAAAGGACAAATCCCTTTCACAAACAAACAGCTGCTTGTATCTTGA 1560
Db 1835 GGCACCTCTGTCCAAAGGACAAATCCCTTTCACAAACAAACAGCTGCTTGTATCTTGA 1894
Qy 1561 CCTTTTCAGAGAAAGGAGGTATCCCTGTGCCAAAGGCTCCAGGCTCTCCCTCGCAACT 1620
Db 1895 CCTTTTCAGAGAAAGGAGGTATCCCTGTGCCAAAGGCTCCAGGCTCTCCCTCGCAACT 1954
Qy 1621 CAGGACCAAGCCAGCTCACTCTGCGAACTGTGTTCCAGCATCTCTGCTCTTGTGATT 1680
Db 1955 CAGGACCAAGCCAGCTCACTCTGCGAACTGTGTTCCAGCATCTCTGCTCTTGTGATT 2014
Qy 1681 AAGAGATTCTCCTTCCAGGCTTAAGCTGGATTTGGGCCAGAGATAAGAAATCCAAACTA 1740
Db 2015 AAGAGATTCTCCTTCCAGGCTTAAGCTGGATTTGGGCCAGAGATAAGAAATCCAAACTA 2074
Qy 1741 TGAGGCTAGTTCTTGTCTAACTCAAGACTGTTCTGGAATGAGGCTCCAGGCTGTCAACC 1800
Db 2075 TGAGGCTAGTTCTTGTCTAACTCAAGACTGTTCTGGAATGAGGCTCCAGGCTGTCAACC 2134
Qy 1801 ATGGGCTTCTGACCTGAGCAACCAAGGTTGAGGAGCAGGATAGGAGGCTGTCTCTGT 1860
Db 2135 ATGGGCTTCTGACCTGAGCAACCAAGGTTGAGGAGCAGGATAGGAGGCTGTCTCTGT 2194
Qy 1861 GGCCACCTGGAAGTCCAGGCTGGGACTCTTCTGGGGACACTTTGGGCTCCCAATCCCAG 1920
Db 2195 GGCCACCTGGAAGTCCAGGCTGGGACTCTTCTGGGGACACTTTGGGCTCCCAATCCCAG 2254
Qy 1921 GTCCATCTAGTGTGATACCATGATATGATGTTTACCTGTGCTTAATAAGGA 1980
Db 2255 GTCCATCTAGTGTGATACCATGATATGATGTTTACCTGTGCTTAATAAGGA 2314
Qy 1981 GAATTATGAATATAA 2040
Db 2315 GAATTATGAATATAA 2374
Qy 2041 AAAAAAAAAAAAAA 2055
Db 2375 AAAAAAAAAAAAAA 2389

RESULT 2

US-09-799-875-9
; Sequence 9, Application US/09799875
; Patent No. 6638721
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. 6638721el Human Protein Kinases and Uses
; FILE REFERENCE: 35800/209996
; CURRENT APPLICATION NUMBER: US/09799, 875
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Homo sapiens

Db 680 CTGTGTCGCTTTGTCTTCGCTGACCGTGAGAGGAAGAGCTGTGTCTGGAGAACCTGGAG 739
 Qy 661 GACTCTGCTGCTGACTGGCCAGATGATTCCTGTGGGACAAGCAACGCTGCCAGCC 720
 Db 740 GACTCTGCTGCTGACTGGCCAGATGATTCCTGTGGGACAAGCAACGCTGCCAGCC 799
 Qy 721 TACGTGGAGCTGAGTACTCAGTCAAGGCTCTACTCGGCAAGGACGCGGATGTC 780
 Db 800 TACGTGGAGCTGAGTACTCAGTCAAGGCTCTACTCGGCAAGGACGCGGATGTC 859
 Qy 781 TGGAGCTGGGCGTGGCGCTCTTACCATCTGCGCGGCACTACCCCTTCCAGGACTCG 840
 Db 860 TGGAGCTGGGCGTGGCGCTCTTACCATCTGCGCGGCACTACCCCTTCCAGGACTCG 919
 Qy 841 GAGCTGTCTGCTCTTCGCAAGATCCGCGCGGGGCTTACGCTTGGCTGAGGCTTC 900
 Db 920 GAGCTGTCTGCTCTTCGCAAGATCCGCGCGGGGCTTACGCTTGGCTGAGGCTTC 979
 Qy 901 TCGGCGCTGCGCGCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
 Db 980 TCGGCGCTGCGCGCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1039
 Qy 961 ACAGCCACAGGATCTCTCTGCAACCTGCTGCGAGGACCCGA 1006
 Db 1040 ACAGCCACAGGATCTCTCTGCAACCTGCTGCGAGGACCCGA 1085

RESULT 4
 ; Sequence 135, Application US/09220132
 ; Patent No. 6506607
 ; GENERAL INFORMATION:
 ; APPLICANT: SIVJAN, Andrew W.
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
 ; FILE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 07334-074001
 ; CURRENT APPLICATION NUMBER: US/09/220,132
 ; CURRENT FILING DATE: 1998-12-23
 ; PRIOR APPLICATION NUMBER: US 60/079,303
 ; PRIOR FILING DATE: 1998-03-25
 ; PRIOR APPLICATION NUMBER: US 60/068,821
 ; PRIOR FILING DATE: 1997-12-24
 ; NUMBER OF SEQ ID NOS: 191
 ; SOFTWARE: FASTSEQ for Windows Version 4.0
 ; SEQ ID NO 135
 ; LENGTH: 2559
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-220-132-135

Query Match 24.5%; Score 505.2; DB 4; Length 2559;
 Best Local Similarity 94.6%; Pred. No. 1.2e-103;
 Matches 566; Conservative 0; Mismatches 28; Indels 4; Gaps 4;
 Qy 604 TGTCGCTTTGCTTCGCTGACCGTGAGAGGAAGAGCTGTGTGAGAACCTGGAGGAC 663
 Db 1634 TGACCTTTGTTTCTCCCATGTCCGAGGAAGAGCTGTGTGAGAACCTGGAGGAC 1575
 Qy 664 TCCTGCTGCTGACTGGCCAGATGATTCCTGTGGGACAAGCAACGCTGCCAGCTTAC 723
 Db 1574 TCCTGCTGCTGACTGGCCAGATGATTCCTGTGGGACAAGCAACGCTGCCAGCTTAC 1516
 Qy 724 GTGGAGCTGAGTACTCAGTCAAGGCTCTACTCGGCAAGGACGCGGATGTCG 783
 Db 1515 GTGGAGCTGAGTACTCAGTCAAGGCTCTACTCGGCAAGGACGCGGATGTCG 1456
 Qy 784 AGCTGGGCGTGGCGCTCTTACCATGCTGCGCGGCACTACCCCTTCCAGGACTCGGAG 843
 Db 1455 AGCTGGGCGTGGCGCTCTTACCATGCTGCGCGGCACTACCCCTTCCAGGACTCGGAG 1396
 Qy 844 CTTGCTGCTCTTCGCAAGATCCGCGCGGGGCTTACGCTTGGCTGAGGCTCTCG 903
 Db 1395 CTTGCTGCTCTTCGCAAGATCCGCGCGGGGCTTACGCTTGGCTGAGGCTCTCG 1336

Qy 904 GCCCTGCCGCTGCTGTGCTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 963
 Db 1335 CCCTCGCGGCGCTGCTGTGCTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1276
 Qy 964 GCCACAGCATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1023
 Db 1275 G-CACAGGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1218
 Qy 1024 CGATCCATCTCTGCGAGGCTGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1083
 Db 1217 CGATCCATCTCTGCGAGGCTGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1159
 Qy 1084 AGGAAGAGGAGGAGAGAGAGAGTGTGTCTGTATGCTAGGACCACTTACTACACGC 1143
 Db 1158 AGGAAGAGGAGGAGAGAGAGTGTGTCTGTATGCTAGGACCACTTACTACACGC 1099
 Qy 1144 TCAGTGCACACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1201
 Db 1098 TCAGTGCACACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1041

RESULT 5
 ; Sequence 4, Application US/08146421
 ; Patent No. 5543499
 ; GENERAL INFORMATION:
 ; APPLICANT: BREWER, GARY
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A POLYPEPTIDE WITH
 ; TITLE OF INVENTION: ANTI-TUMOR PROPERTIES
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: DILWORTH & BARRESE
 ; STREET: 4350 LA JOLLA VILLAGE DRIVE, SUITE 300
 ; CITY: SAN DIEGO
 ; STATE: CALIFORNIA
 ; COUNTRY: U.S.A.
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/146,421
 ; FILING DATE: 29-OCT-1993
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: PEPPER PH.D., FREDERICK W.
 ; REGISTRATION NUMBER: 31,286
 ; REFERENCE/DOCKET NUMBER: 489-2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 619-546-4410
 ; TELEFAX: 619-453-2839
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2562 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 246..1106
 ; US-08-146-421-4

Query Match 24.5%; Score 505.2; DB 1; Length 2562;
 Best Local Similarity 94.6%; Pred. No. 1.2e-103;
 Matches 566; Conservative 0; Mismatches 28; Indels 4; Gaps 4;
 Qy 604 TGTCGCTTTGCTTCGCTGACCGTGAGAGGAAGAGCTGTGTGAGAACCTGGAGGAC 663
 Db 1637 TGACCTTTGCTTTCTCCCATGTCCGAGGAGGCTGTGTGAGAACCTGGAGGAC 1578


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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1146:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1302 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENEANK
; CLONE: gi480860
; US-09-016-434-1146

Query Match 4.1%; Score 85; DB 4; Length 1302;
Best Local Similarity 48.1%; Pred. No. 9.3e-10;
Matches 241; Conservative 0; Mismatches 260; Indels 0; Gaps 0;

QY 503 ACCGTATCCCTGAGCTGAGCTGCGTGCCTCTTCGCCAGATGCGCCACCGCCCTGGCGC 562
Db 437 AGCGTTTCCAGTGTGCCAGGCCACCGGTACTTCTGTGAGTGTGACGGCTGGAGT 496
QY 563 ACTGTACACGACGCTGTGCTGCTGCTGATCTCAAGCTGTGTGCTGTGCTTGGTG 622
Db 497 ACCTGATAGCAGGCGATGTGCAACAGGACATCAAGCCGGGGAACCTGTGCTCACC 556
QY 623 ACCGTGAGGAGAGAGCTGTGTGCTGGAGAACTGGAGAGCTCCTGCGTGTGAGTGGGC 682
Db 557 CCGTGGCACCCCTCAAAATCTCCGACCTGGCGGTGGCCGAGGCACTGCACCGCTTCGCG 616
QY 683 CAGATGATTCCTGTGGGACAGCGCTGCCAGCCTACGTGGACCTGAGACTCA 742
Db 617 CGAGCAGACTCCCGGACAGCAGCGGTCTCCCGCTTTCCAGCGCCGAGATGGCA 676
QY 743 GCTACCGGCTCATACTCGGCAAGCGAGCCGATGTGGAGCCTGGCGCTGGCGCTCT 802
Db 677 ACGGCTGGACACTTCTCCGGCTTCAAGGTGGACATCTGTGCGGTGGGGTCAACCTCT 736
QY 803 TCACCATGTGGCGGCGACTACCTCTCCAGGACTCGAGGCTGTCTGCTCTTCGGCA 862
Db 737 AACACATCACCGGCTGTGATCCCTTCGAAGGGGACAACTATCAAGTGTGTTGAGA 796
QY 863 AGATCCCGCGGGGCTACCGCTTTCGCTGCGAGGCTCTCGGCGCCCTGCGCGCTCTGG 922
Db 797 ACATCGGAAGGGGAGTACGACATCCCGGGGAGCTGTGGCCCGCGCTCTCTGACCTGC 856
QY 923 TTGCTGCTCTCTTCTGCGGAGCGGCTGAGCGCTACAGCAGGATCTCCTCTGCG 982
Db 857 TGAAGGGATGCTTGTAGTACGAACCGGCAAGAGGTCTTCCATCCGGCAGATCCGGCAGC 916
QY 983 ACCCTTGGCTGCGACAGGACC 1003
Db 917 ACAGCTGGTTCGGAAGAAAC 937

RESULT 8
US-09-559-023-1
; Sequence 1, Application US/09559023
; Patent No. 6551796
; GENERAL INFORMATION:
; APPLICANT: Abramson, Ruth
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; APPLICANT: Leal-Pinto, Edgar
; APPLICANT: Lipkowitz, Michael
; TITLE OF INVENTION: NUCLEIC ACID ENCODING URATE TRANSPORTER
; FILE REFERENCE: 070165.0574
; CURRENT APPLICATION NUMBER: US/09/559,023
; CURRENT FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 09/221,898
; PRIOR FILING DATE: 1998-12-28
; PRIOR APPLICATION NUMBER: US 60/099,752
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: US 60/070,215
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1545
; TYPE: DNA
; ORGANISM: Rat
; US-09-559-023-1

Query Match 4.1%; Score 84.6; DB 4; Length 1545;
Best Local Similarity 68.4%; Pred. No. 1.2e-09;
Matches 117; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

QY 1889 CTTCTGGGACACTTGGGTCCCAATCCAGGTCCATCTCTAGGTTTGGATACCATG 1948
Db 1375 CTCAGCTGACCCAGAAATGTCACATTCCTTTTCCCAATCTTCCCAATGCCATAAA 1434
QY 1949 AGTATGTATCTTTACCTGTGCTTAATAAAGGAGATTTGAAATAAAAAAAAAAAAA 2008
Db 1435 ATAAGAAATATCAACGCTTGTCTACAAAAAATAAAAAAAAAAAAAAAAAAAAA 1494
QY 2009 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2059
Db 1495 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1545

RESULT 9
US-09-621-976-8551
; Sequence 851, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jober, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 8551
; LENGTH: 147
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-621-976-8551

Query Match 4.0%; Score 82.2; DB 4; Length 147;
Best Local Similarity 72.1%; Pred. No. 1.7e-09;
Matches 106; Conservative 1; Mismatches 40; Indels 0; Gaps 0;

QY 1909 CCAATATCCAGGTCCATCTCTAGGTTTGGATACCATGATATGTTTACCTGTG 1968
Db 1 CCAATATGGAAGAAATGTTCTATGTTCTGCTAGGCTAGGATATATGTTTCTGATCC 60
QY 1969 CCTAATAAGGAGATTTGAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2028
Db 61 CAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 120
QY 2029 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2055
Db 121 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAH 147
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RESULT 10

US-09-621-976-8550
; Sequence 8550, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.

; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 8550
; LENGTH: 146
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-621-976-8550

Query Match 4.0%; Score 81.6; DB 4; Length 146;

Best Local Similarity 71.9%; Pred. No. 2.3e-09;

Matches 105; Conservative 1; Mismatches 40; Indels 0; Gaps 0;

QY 1909 CCAATCCAGTCCATCTAGGTTTGGATACCAGTAGTATGTTTACCTGTG 1969

Db 1 CCAAAATGGAAGGAATGTTCTATGTTTCAGGCTAGGAGTATATGTTTCGAATCC 60

QY 1969 CTTAAATAAGGAGAAATTATGAATAAAAAAAAAAAAAAAAAAAAAAAAAA 2028

Db 61 CAAA 120

QY 2029 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2054

Db 121 AAAAAAAAAAAAAAAAAAAAAAAAAAAW 146

RESULT 11

US-08-749-902-2

; Sequence 2, Application US/08749902

; Patent No. 5985635

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Goli, Surya K.

; APPLICANT: Hillman, Jennifer L.

; TITLE OF INVENTION: NOVEL HUMAN SERINE/THREONINE

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: US

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/749,902

; FILING DATE: Filed Herewith

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0150 US

; TELECOMMUNICATION INFORMATION:

; TELECOMMUNICATION INFORMATION:

; TELECOMMUNICATION INFORMATION:

; TELECOMMUNICATION INFORMATION:

; TELECOMMUNICATION INFORMATION:

; TELECOMMUNICATION INFORMATION:

; TELECOMMUNICATION INFORMATION:

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-855-0555

; TELEFAX: 415-845-4166

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1466 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; CLONE: Consensus

US-08-749-902-2

Query Match 4.0%; Score 81.6; DB 2; Length 1466;

Best Local Similarity 47.3%; Pred. No. 5.6e-09;

Matches 237; Conservative 0; Mismatches 264; Indels 0; Gaps 0;

QY 503 ACCGTATCCCTGAGCCTGAGGCTGCCGTGCTCTTCCGCCAGATGGCCACGCCCTGGCGC 562

Db 536 AGCGTTTCCAGTGTGCCAGGCCACCGGTACTTCTGTACGTGATTGACGGNTGGGT 595

QY 563 ACTGTACACGACGGTCTGGTCTCGTCTGCTGATCTCAAGCTGTGCTGTTGCTTCGCTG 622

Db 596 ACCTGCATNGCCAGGNNATTGTGCACAAAGGGCATCAAGCCGGGGAACCTGCTGCACCA 655

QY 623 ACCGTGAGAGGAAGAGCTGTGTCTGTGAGAACCTGGAGGACTCCTGGGTGCTGACTGGC 682

Db 656 CCGTGGACCCCTCAAAATCTCCGACCTGGGCTGGCCGAGGCACTGCACCCGTTCCGNG 715

QY 683 CAGATGATTTCCCTGTGGGCAAGCACGCGTGCAGCCTACGTGGGACCTGAGATATCTCA 742

Db 716 CGGACGACACCTGCGGACCGAGCCAGGGCTCCCGGGCTTCCAGCCGCCGAGANATGCCA 775

QY 743 GCTCAGCGGCTCATATCTCGGCAAGCGACCGCATGCTGAGGCTGGGCGTGGCGCTCT 802

Db 776 ACGCCTTGACACCTTCTCCGGGTTCAAGTGGGACATCTGGTGGGTGAGGCTACCCCTCT 835

QY 803 TCACCATGCTGGCGGCGCACCTACCCCTTCAGGACTCGGAGCCTGTCTGCTCTTCGGCA 862

Db 836 ACAACATCACCGGGTCTGTACCCCTTCGAGGGGACACATCTACAAGTTGTTGAGA 895

QY 863 AGATCGCGCGGGGCTAGCCTTGGCTGAGGCGCTCTCGGCCCTCGCGGCTGCTGG 922

Db 896 ACATCGGGAAGGGAGGTACGCCATCCCGGCGCACTGCGCCCGCCCTCTCTGACCTGC 955

QY 923 TTGCTGCTCTTCTGCTGGGAGCCAGCTGAACGGCTCACAGCCACAGGATCTCTCTGC 982

Db 956 TGAAGGATGCTTGAGTACGACCCGCGCAGAGGTTCTCATCCGCGCATCGGCGC 1015

QY 983 ACCCTGGCTGCGACAGGACC 1003

Db 1016 ACAGTGGTTCGGGAAGAAAC 1036

RESULT 12

US-09-907-794A-212

; Sequence 212, Application US/09907794A

; Patent No. 6635468

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

```

; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 212
; LENGTH: 1985
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-794A-212

Query Match      3.9%; Score 80.8; DB 4; Length 1985;
Best Local Similarity 78.2%; Pred. No. 9.5e-09;
Matches 97; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

Qy 1936 TTTCGATACCATGATGATGATGTTTACCTGTGCTTAATAAGGAGAAATATGAAATATAA 1995
    |||||
Db 1823 TTTCGACATAAATGATGCTGCTTCCGCCAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1882
    |||||

Qy 1996 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2055
    |||||
Db 1883 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1942

Qy 2056 AAAA 2059
    |||||
Db 1943 AAAA 1946
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RESULT 13
US-09-905-125A-212
; Sequence 212, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 212
; LENGTH: 1985
; TYPE: DNA
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; ORGANISM: Homo sapiens  
US-09-905-125A-212
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Query Match 3.9%; Score 80.6; DB 4; Length 1985;
Best Local Similarity 78.2%; Pred.No. 9.5e-09;
Matches 97; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 1936 TTGGATACCATGAGTGTATTCTTTACTCGCTGAATAAAAGGAGAATTATCAAAAATAAA 1995
DB 1823 TTGGACAATAATGGTGTAATGCTGCCTCCGCCAAAAAATAAAAAAAAAAAAAAAAAA 1882

QY 1996 AAAAAAATAA 2055
DB 1883 AAAAAAATAA 1942

QY 2056 AAAA 2059
DB 1943 AAAA 1946

RESULT 14
US-09-902-775A-212
Sequence 212, Application US/09902775A
Patent No. 6696451
GENERAL INFORMATION:
APPLICANT: Genetech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,775A
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1998-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05

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; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 212  
; LENGTH: 1985  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-902-775A-212
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Query Match 3.9%; Score 80.8; DB 4; Length 1985;
Best Local Similarity 78.2%; Pred.No. 9.5e-09;
Matches 97; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 1936 TTGGATACCATGAGTAGTATGTATTCCTGTGCTTAATAAGGAGAATTATCAAAAATAAA 1995
DB 1823 TTGGACAATAATGGTGCTATGACTGCCTCCTCCCCAAAAAATAAAAAAAAAAAAAA 1882

QY 1996 AAAAAAATAA 2055
DB 1883 AAAAAAATAA 1942

QY 2056 AAAA 2059
DB 1943 AAAA 1946

RESULT 15
US-09-916-204-1
Sequence 1, Application US/09916204
Patent No. 6638745
GENERAL INFORMATION:
APPLICANT: WEI, Ming-Hui et al.
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES THEREOF
FILE REFERENCE: CLO01164CIP
CURRENT APPLICATION NUMBER: US/09/916,204
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQUENCE FILING DATE: 2001-07-24
SEQ ID NO 1
LENGTH: 1133
TYPE: DNA
ORGANISM: Human

US-09-916-204-1

Query Match 3.9%; Score 80.4; DB 4; Length 1133;
Best Local Similarity 81.6%; Pred.No. 9.4e-09;
Matches 93; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1946 ATGAGTATGTATGTTTACCTGTGCTTAATAAGGAGAATTATCAAAAATAAAAAAAAAAAAA 2005
DB 1016 AGGAGCATGTATAGTTTGTAGAAATAAAGAAAATGCTTAAAAAATAAAAAAAAAAAAA 1075

QY 2006 AAAAAAATAA 2059
DB 1076 AAAAAAATAA 1129

Fri Sep 17 12:09:38 2004

us-09-909-474d-1.rni

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Search completed: September 15, 2004, 02:31:26
Job time : 152 secs